



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Sunshine Windows Manufacturing, Inc.

1745 W. 33rd Place

Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "2000" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. SH08-01, titled "Series 2000 Aluminum Single Hung Impact Resistant Glass", sheets 01 through 06 of 06, dated 04/02/08, with revision no. 2 dated 12/05/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 12-0320.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. Gascon
3/31/15

NOA No. 14-1224.08

Expiration Date: April 24, 2018

Approval Date: April 09, 2015

Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-0219.03)
2. Drawing No. **SH08-01**, titled "Series 2000 Aluminum Single Hung Impact Resistant Glass", sheets 01 through 06 of 06, dated 04/02/08, with revision no. 2 dated 12/05/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a series 2000 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-5253**, dated 10/02/07 and **FTL-5252**, dated 08/17/07, both signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No. 08-0219.03)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, prepared by manufacturer, dated 12/10/14, signed and sealed by Francisco Hernandez, P. E.
2. **Glazing complies with ASTM E1300-04/ 09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray PVB Glass Interlayer**" expiring on 12/11/16.
2. Pecora Corp. Part No. **Pecora 895 EPDM exterior glazing gasket** complying with ASTM C 794—30 pli, ASTM D412—Tension of 550 PSI, ASTM D 624—40 lb./ in., ASTM D 2240—Hardness Shore A 27 Durometer, ASTM C 510—None, ASTM D 471—70 HRS 257°F and ASTM D 3835—3.0 HRS 180°F, ASTM C 719—±50%, ASTM D 3960—12 g/L, ASTM C 679—3hrs. 7 to 14 days, ASTM C 639—Nil.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-1224.08
Expiration Date: April 24, 2018
Approval Date: April 09, 2015

Sunshine Windows Manufacturing, Inc.

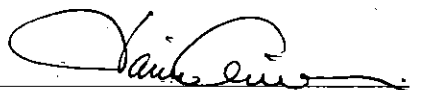
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

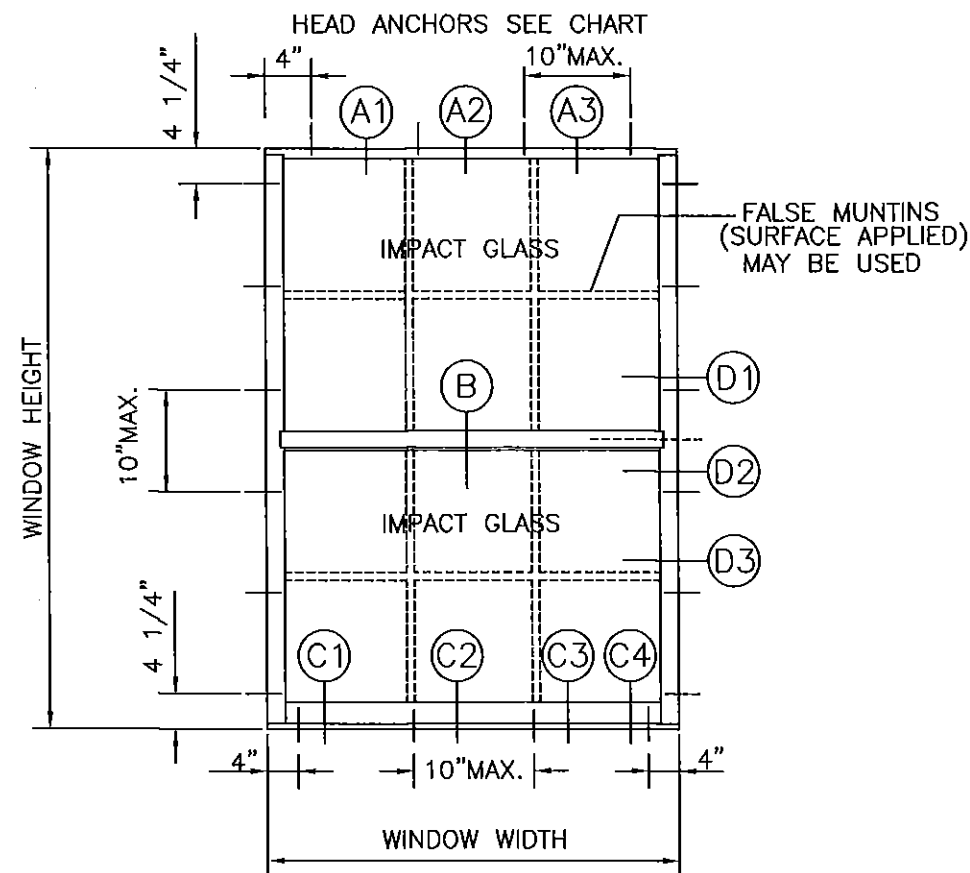
1. Statement letter of conformance to, complying with **FBC 5th Edition (2014)** and of no financial interest, dated 12/28/14, signed and sealed by Francisco Hernandez, P. E.
2. Department of State Certification of **SUNSHINE WINDOWS MANUFACTURING CORPORATION, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 11/24/14 and filed by the Secretary of State.
3. Statement letter of conformance, complying with **FBC-2010** and of no financial interest, dated 03/12/12, signed and sealed by Francisco Hernandez, P. E.
(Submitted under previous NOA No.12-0320.07)
4. Laboratory compliance letters for Test Reports No's **FTL-5253**, dated 10/10/07 and **FTL-5252.**, dated 08/28/07, both issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No.08-0219.03)

G. OTHERS

1. Notice of Acceptance No. **12-0320.07**, issued to Sunshine Windows Manufacturing, Inc. for their Series "2000 Aluminum Single Hung Window – L.M.I.", approved on 05/17/12 and expiring on 04/24/18.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-1224.08
Expiration Date: April 24, 2018
Approval Date: April 09, 2015



TYPICAL ELEVATION 1 OVER 1

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014). THE DESIGN PRESSURES REMAIN THE SAME AS IN THE PREVIOUS NOA IN COMPLIANCE WITH FBC 2010.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 2 THRU 4.
- 5.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CONCRETE STRENGTH $F_c'28 = 3000$ PSI MIN.
 - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
 - FILLED CMU $F_m' = 2000$ PSI MIN.
- 6.- USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" $G = 0.55$ OR GREATER DENSITY.
- 8.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE $F_y = 36$ KSI MIN.
- 9.- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN $1/8"$. ALUMINUM SHALL BE 6063-T6.
- 10.- 1X OR 2X WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 11.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).

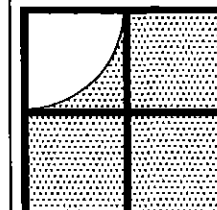
GLASS:

0.340" OVERALL LAMINATED GLASS USING TWO LITES OF 0.125" HEAT STRENGTHENED GLASS WITH A 0.090" INTERLAYER FILM DUPONT BUTACITE PVB, BETWEEN THE TWO LITES OF GLASS. LAMINATED BY TECNOGLASS OR SIMILAR.

DESIGN PRESSURES CHART - PSF					
WINDOW DIMENSION		ANCHOR SCHEDULE		DESIGN PRESSURE-PSF	
WIDTH	HEIGHT	PER HEAD AND SILL	PER JAMB	EXT.	INT.
19 1/8"	26"	3	3	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	38 3/8"	3	4	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	50 5/8"	3	6	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	63"	3	7	75.0	75.0
26 1/2"		3		75.0	75.0
37"		4		75.0	75.0
53 1/8"		6		75.0	75.0
19 1/8"	74 1/4"	3	8	75.0	75.0
26 1/2"		3		75.0	75.0
37"		4		75.0	75.0
53 1/8"		6		75.0	75.0

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-1224-08
Expiration Date 12/24/2018
By *[Signature]*
Miami Dade Product Control

[Signature]
12-05-14
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

SERIES 2000 ALUMINUM SINGLE HUNG IMPACT RESISTANT GLASS

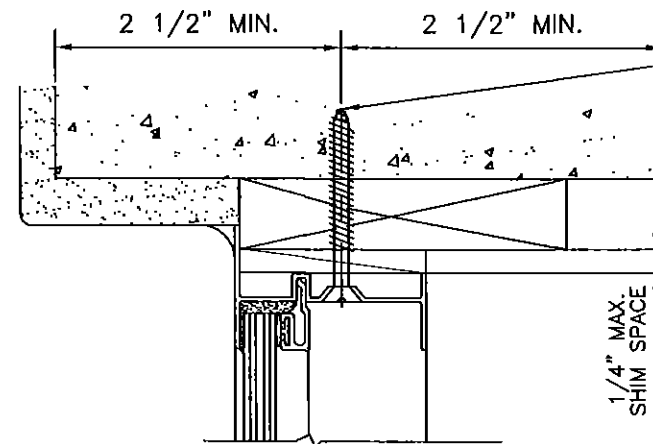
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1 03-12-12	UPDATED FOR 2010 FBC
2 12-05-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.
SH08-01

DATE: 04-02-08

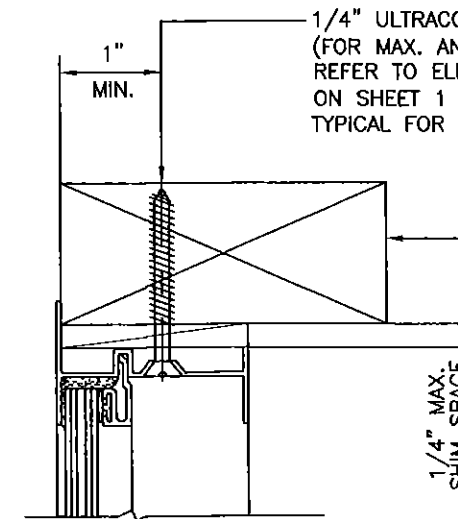
SCALE: 1/2"=1"

SHEET 1 OF 6



1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1 BY WOOD BUCK.
(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART ON SHEETS 1 OF 6).
TYPICAL FOR HEAD.

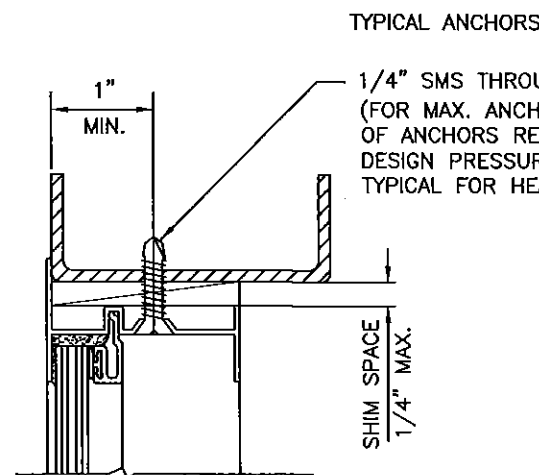
DETAIL A1
ATTACHMENT TO CONCRETE



1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD.
(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR HEAD.

2 BY WOOD BUCK BY OTHERS.
MUST BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.

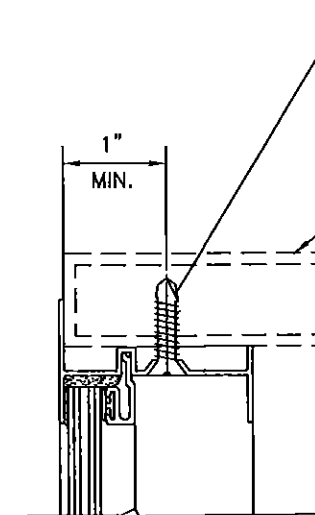
DETAIL A2
ATTACHMENT TO WOOD



TYPICAL ANCHORS

1/4" SMS THROUGH METAL.
(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR HEAD.

DETAIL A3
ATTACHMENT TO METAL STRUCTURE DETAIL
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



1/4" SMS THROUGH METAL.
(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR HEAD.

MIAMI-DADE COUNTY APPROVED MULLION. (UNDER SEPARATE APPROVAL)

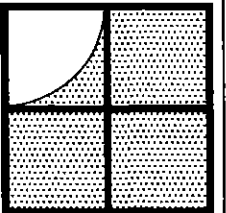
DETAIL A4
ATTACHMENT TO MULLION
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

TYPICAL HEAD SECTIONS

PRODUCT REVISED
as complying with the Florida
Building Code 14-1224.08
Acceptance No. 24124/2018
Expiration Date 12-05-14
By *Francisco Hernandez*
Miami Dade Product Control

Francisco Hernandez
12-05-14

FRANCISCO HERNANDEZ
FLORIDA PE # 51393



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

SERIES 2000 ALUMINUM
SINGLE HUNG
IMPACT RESISTANT GLASS

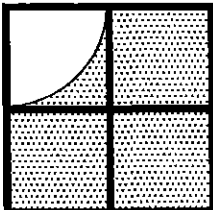
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1	03-12-12	UPDATED FOR 2010 FBC
2	12-05-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.
SH08-01

DATE: 04-02-08

SCALE: 1/2"=1"

SHEET 2 OF 6

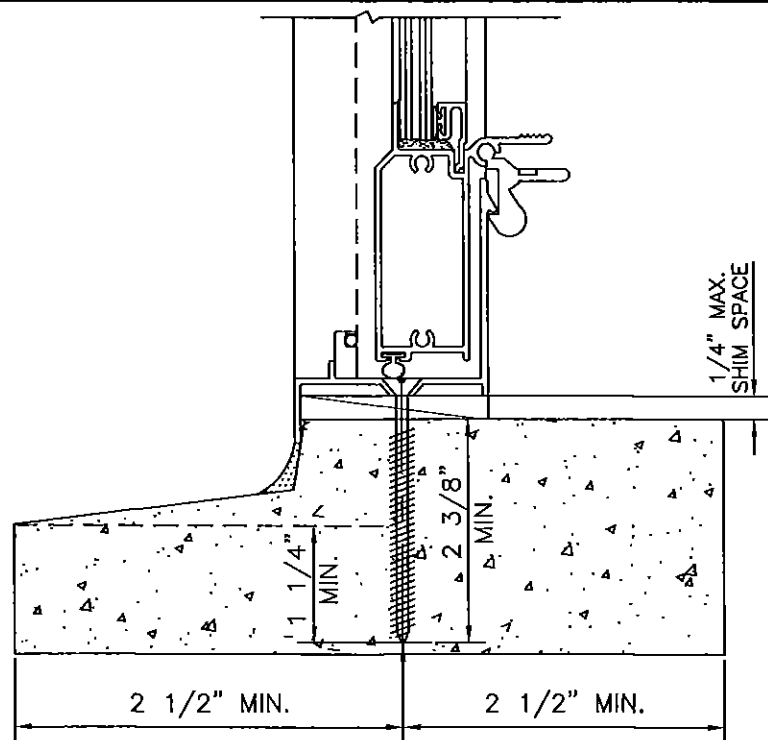


Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
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Ph: (305)364-9952
Fax: (305)828-5118

**SERIES 2000 ALUMINUM
SINGLE HUNG
IMPACT RESISTANT GLASS**

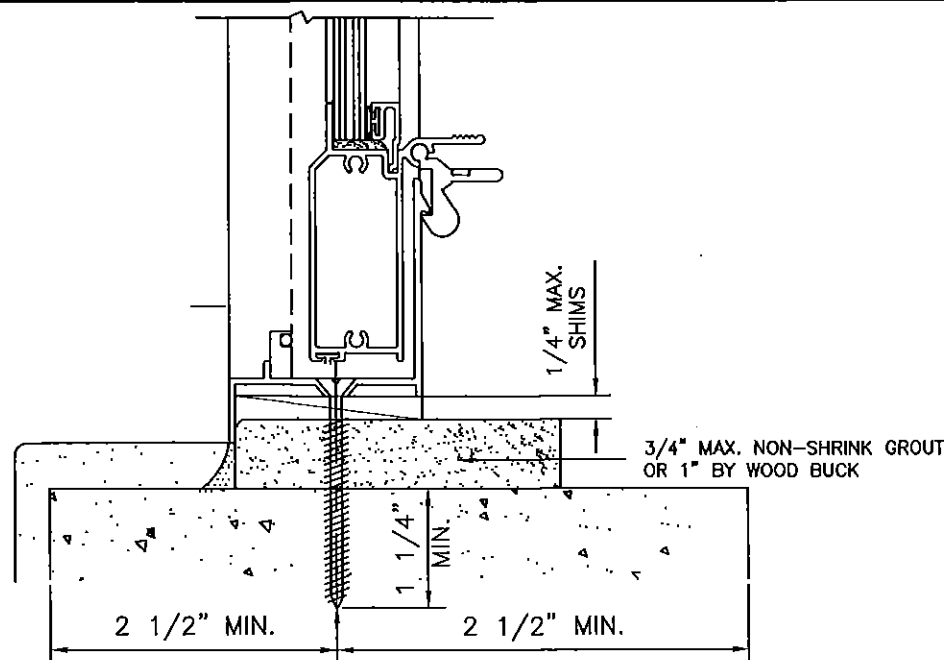
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DRAWING No.
SH08-01
DATE: 04-02-08
SCALE: 1/2"=1"
SHEET 3 OF 6



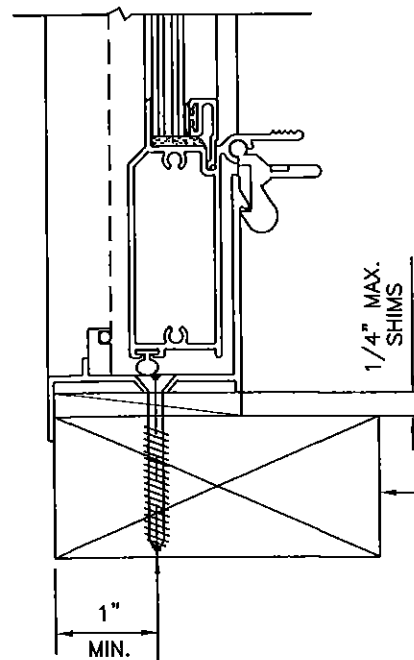
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO CONCRETE
(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS
REFER TO ELEVATION AND DESIGN PRESSURED CHART
ON SHEETS 1 OF 6).
TYPICAL FOR SILL ONLY.

DETAIL C1
ATTACHMENT TO PRE-CAST SILL



1/4" ULTRACON 1 1/4" MIN. EMBEDMENT
INTO CONCRETE THROUGH 1" BY WOOD BUCK
OR NON-SHRINK NON-METALLIC GROUT
(FOR MAX. ANCHOR SPACING AND NUMBER
OF ANCHORS REFER TO ELEVATION AND
DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR SILL ONLY.

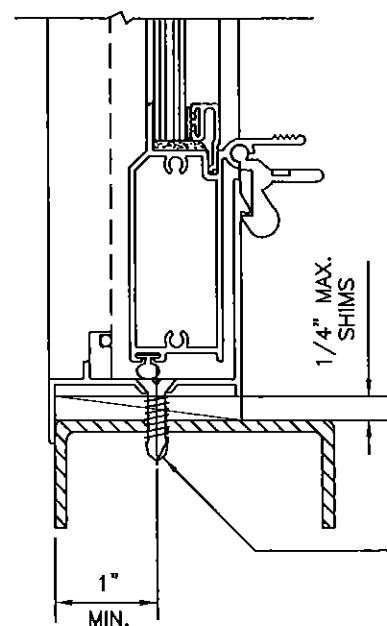
DETAIL C2
ATTACHMENT TO CONCRETE



2 BY WOOD BUCK BY OTHERS.
MUST BE PROPERLY ATTACHED TO
TRANSFER GLAZING SYSTEM LOADS
TO THE STRUCTURE. SHALL BE
APPROVED BY BUILDING OFFICIAL
PRIOR TO WINDOW INSTALLATION.

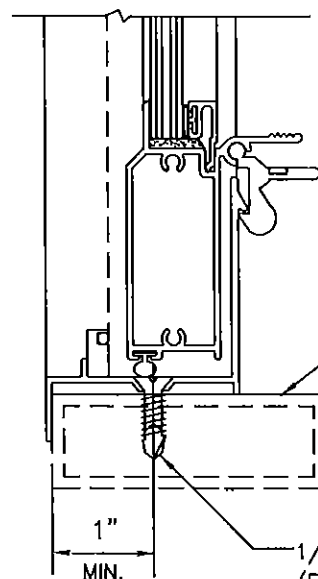
1/4" ULTRACON BY ELCO WITH 1 1/2" MIN.
PENETRATION INTO WOOD.
(FOR MAX. ANCHOR SPACING AND NUMBER
OF ANCHORS REFER TO ELEVATION AND
DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR SILL.

DETAIL C3
ATTACHMENT TO WOOD



(FOR MAX. ANCHOR SPACING AND NUMBER
OF ANCHORS REFER TO ELEVATION AND
DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR SILL.

DETAIL C4
ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



MIAMI-DADE COUNTY APPROVED
MULLION. (UNDER SEPARATE APPROVAL)

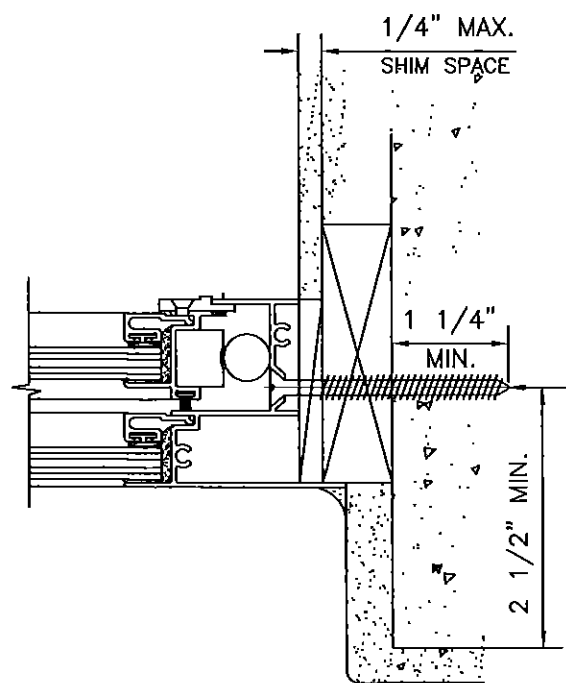
1/4" SMS THROUGH METAL.
(FOR MAX. ANCHOR SPACING AND NUMBER
OF ANCHORS REFER TO ELEVATION AND
DESIGN PRESSURES CHART ON SHEET 1 OF 6).
TYPICAL FOR SILL.

DETAIL C5
ATTACHMENT TO MULLION
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

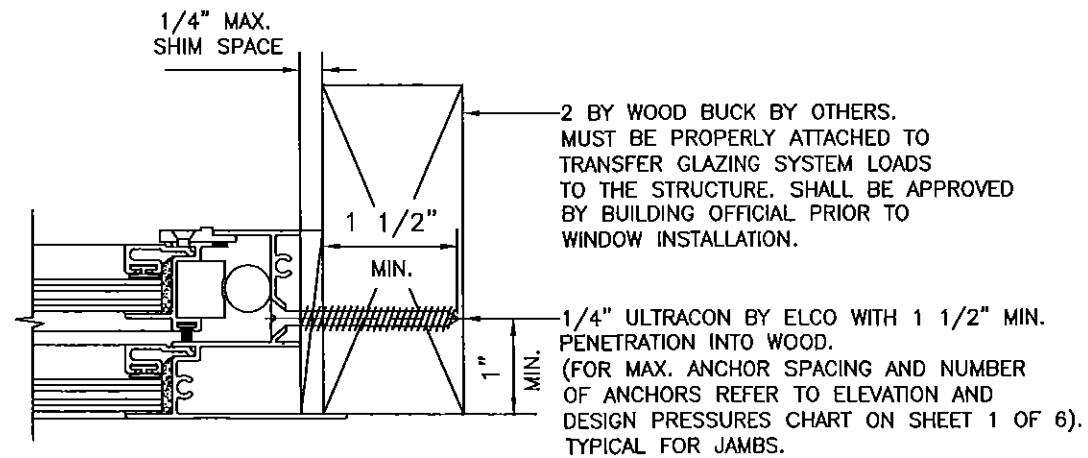
TYPICAL SILL SECTIONS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **14-1224.08**
Expiration Date **04/24/2018**
By *[Signature]*
Miami Dade Product Control

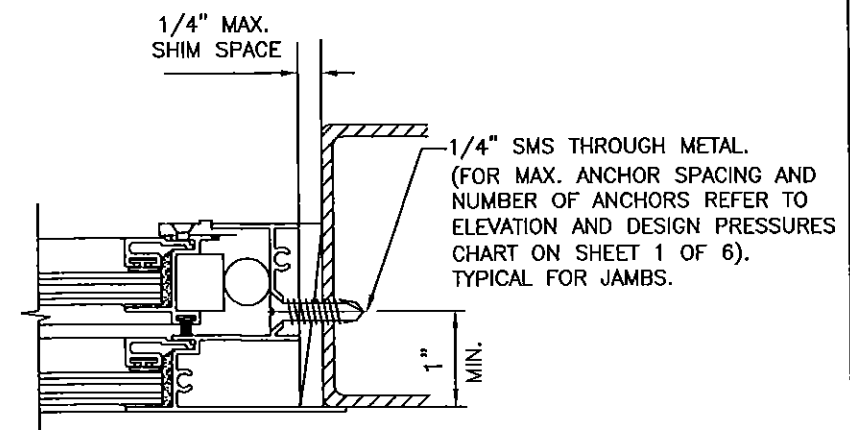
[Signature]
12-05-14
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



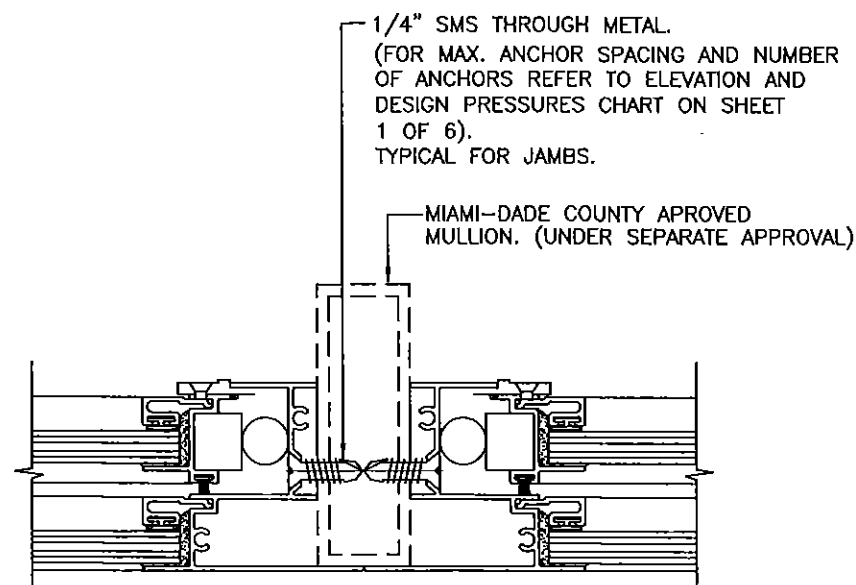
DETAIL D1
ATTACHMENT TO CONCRETE



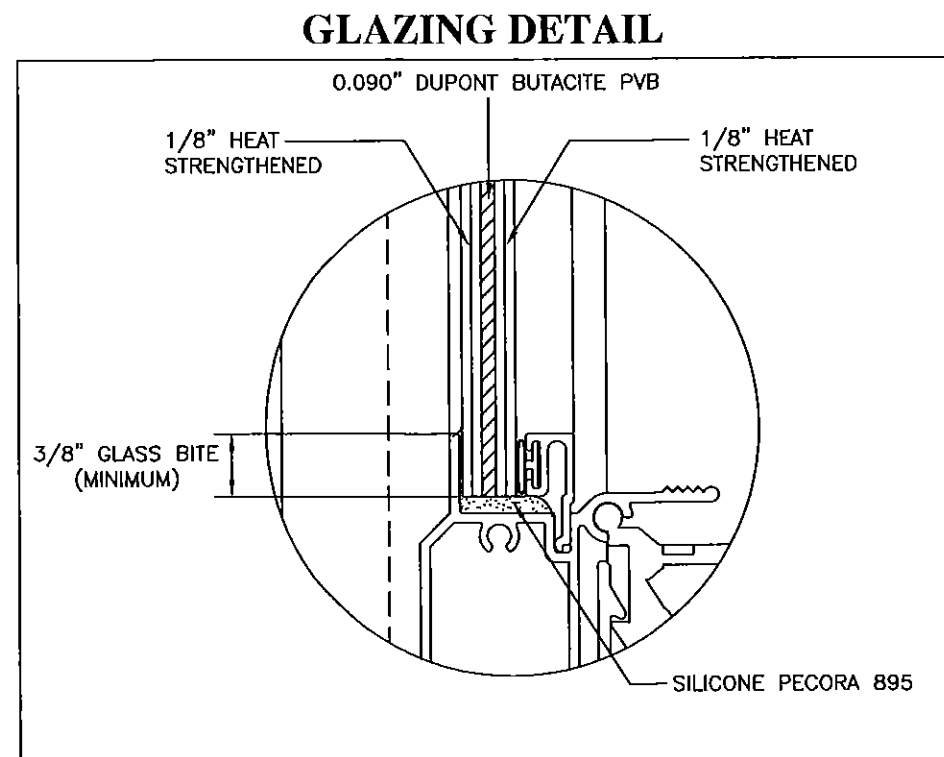
DETAIL D2
ATTACHMENT TO WOOD



DETAIL D3
ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



DETAIL D4
ATTACHMENT TO MULLION



TYPICAL JAMB SECTIONS

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

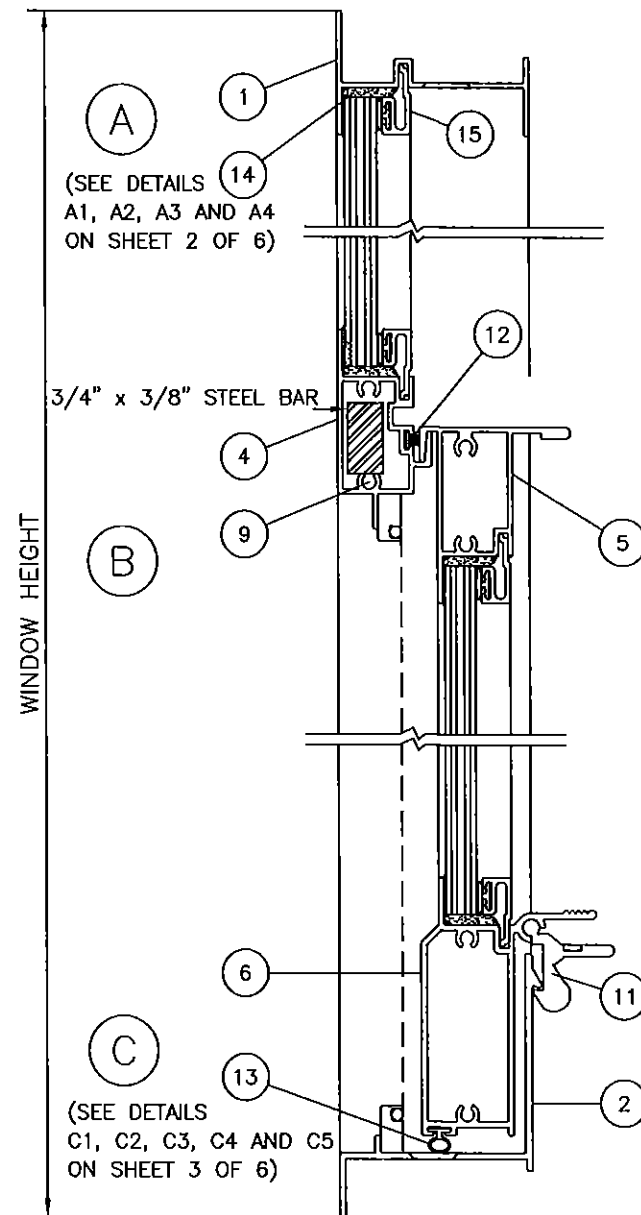
**SERIES 2000 ALUMINUM
SINGLE HUNG
IMPACT RESISTANT GLASS**

No	DATE	REVISION
1	03-12-12	UPDATED FOR 2010 FBC
2	12-05-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

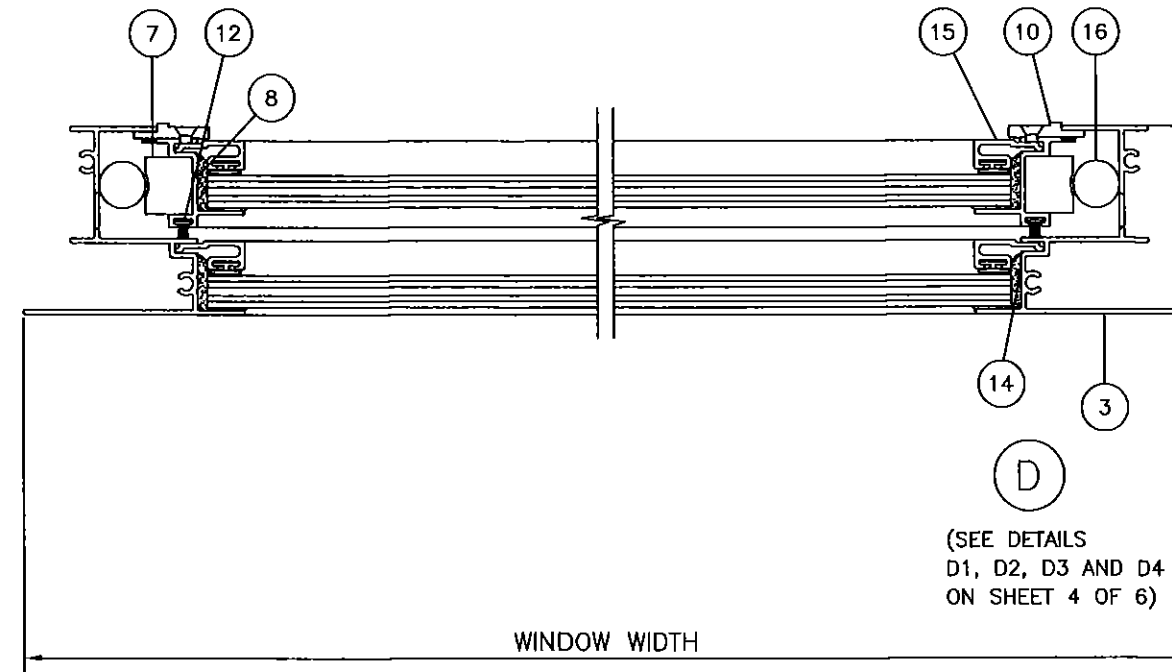
DRAWING No.
SH08-01
DATE: 04-02-08
SCALE: 1/2"=1"
SHEET 4 OF 6

PRODUCT REVISED
as complying with the Florida
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Acceptance No. **14-1224.08**
Expiration Date **04/24/2018**
By *Francisco Hernandez*
Miami Dade Product Control

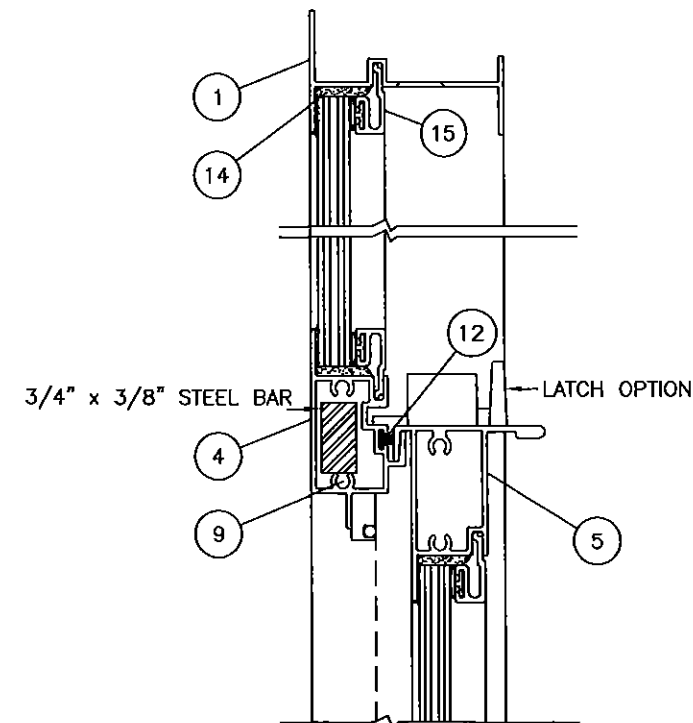
Francisco Hernandez
12-05-14
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



VERTICAL SECTION



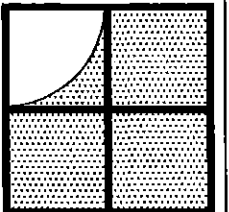
HORIZONTAL SECTION



VERTICAL SECTION
WITH TOP LOCK

PRODUCT REVISED
as complying with the Florida
Building Code **14-1224.08**
Acceptance No. **04/23/2018**
Expiration Date
By *Francisco Hernandez*
Miami Dade Product Control

Francisco Hernandez
12-05-14
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

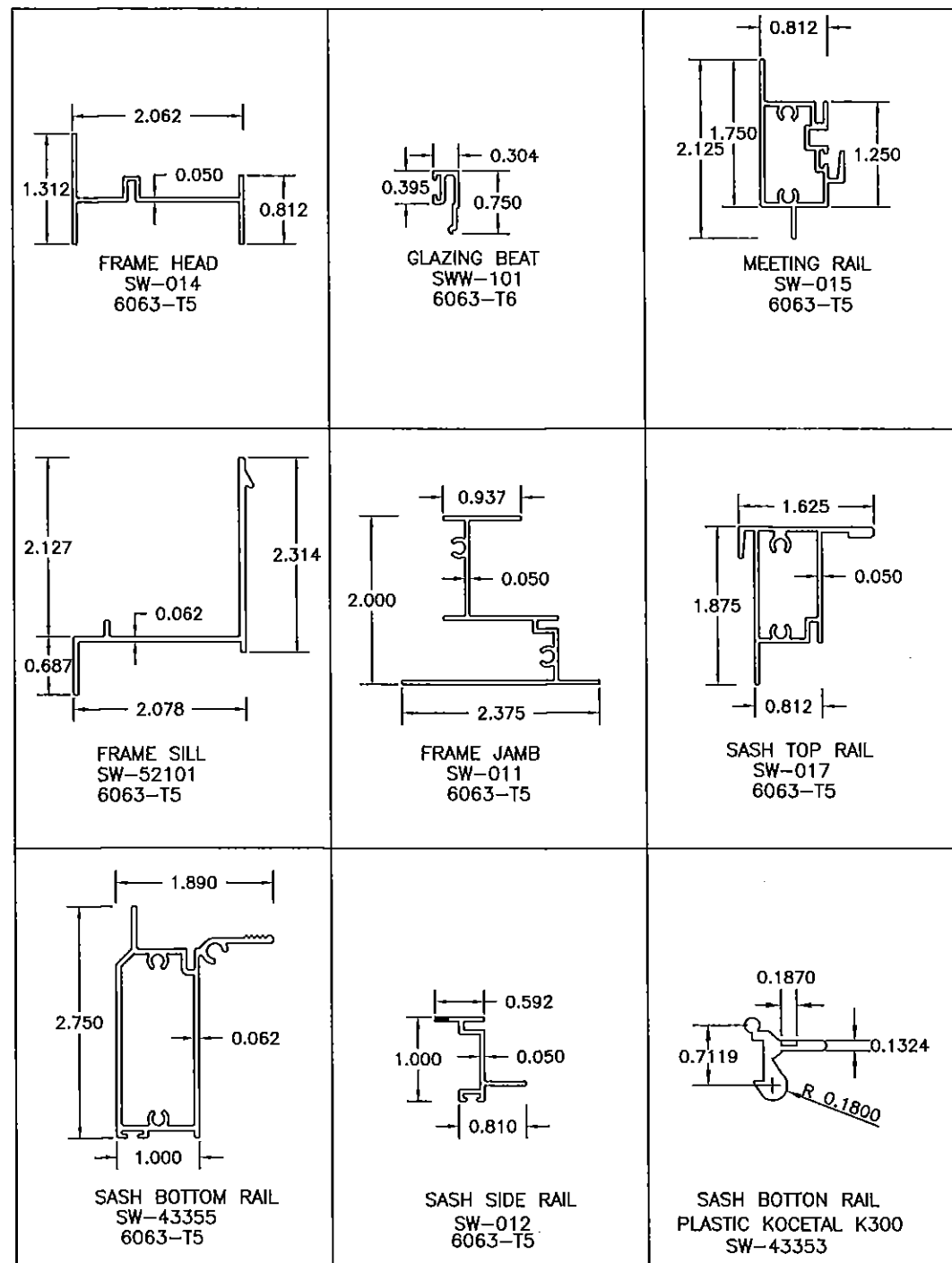


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Ph: (305)364-9952
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SERIES 2000 ALUMINUM
SINGLE HUNG
IMPACT RESISTANT GLASS

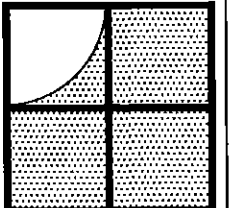
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2	12-05-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.
SH08-01
DATE: 04-02-08
SCALE: 1/2"=1"
SHEET 5 OF 6



MATERIAL LIST

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-014	1	FRAME HEAD	6063-T5
2	SW52101	1	FRAME SILL	6063-T5
3	SW-011	2	FRAME JAMB	6063-T5
4	SW40111	1	MEETING RAIL	6063-T5
5	SW-017	1	SASH TOP RAIL	6063-T5
6	SW43355	1	SASH BOTTOM RAIL	6063-T5
7	SW8202B	2	SASH CAM	NYLON
8	SW-012	2	SASH SIDE RAIL	6063-T5
9	SW-AS	AS REQ	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
10	SW8202A	4/VENT	FACE GUIDES	NYLON
11	SW43353	2/VENT	LATCH BOTTOM RAIL	PLASTIC
12	SW1820	AS RQD	SEAL PILE	FELT
13	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
14	-	AS RQD	SILICONE	DC-899/GE-1200
15	SWW101	AS RQD	GLAZING BEAD	6063-T6
16	SW540	2	SPIRAL BALANCE	ALUMINUM
17	SW-667	2/VENT	LATCH	ZINC
18	SW3082	AS RQD	WEATHER STRIP BULB	VINYL



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

SERIES 2000 ALUMINUM SINGLE HUNG IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-05-12	NO CHANGE THIS SHEET
2	12-05-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.
SH08-01
DATE: 04-02-08
SCALE: 1/2"=1"
SHEET 6 OF 6

[Signature]
12-05-14

FRANCISCO HERNANDEZ
FLORIDA PE # 51393